

Fig. 7

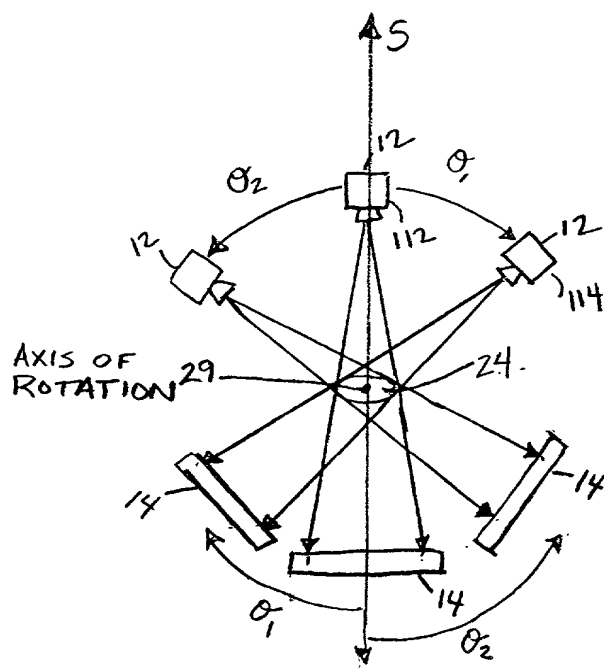


FIG. 2

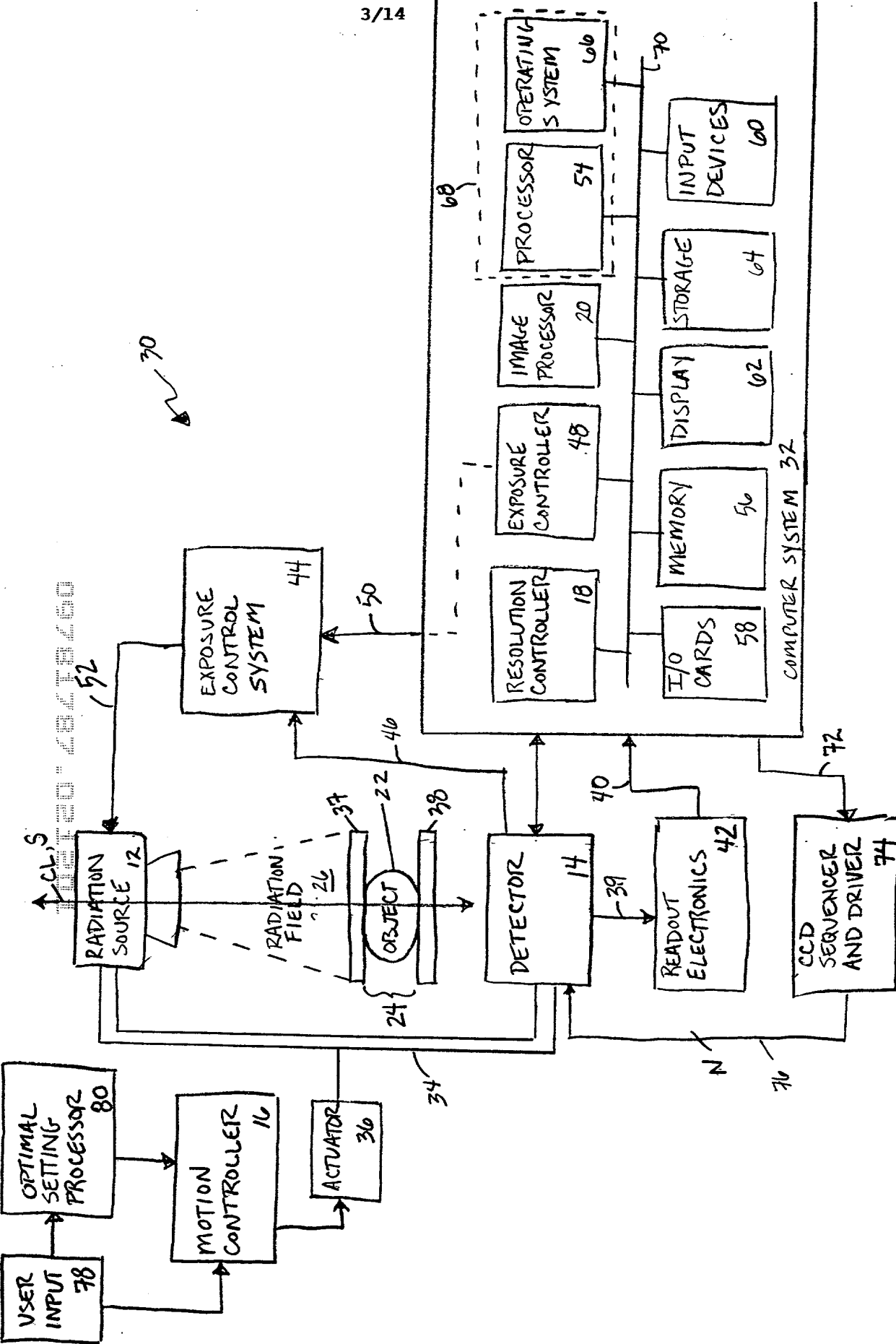
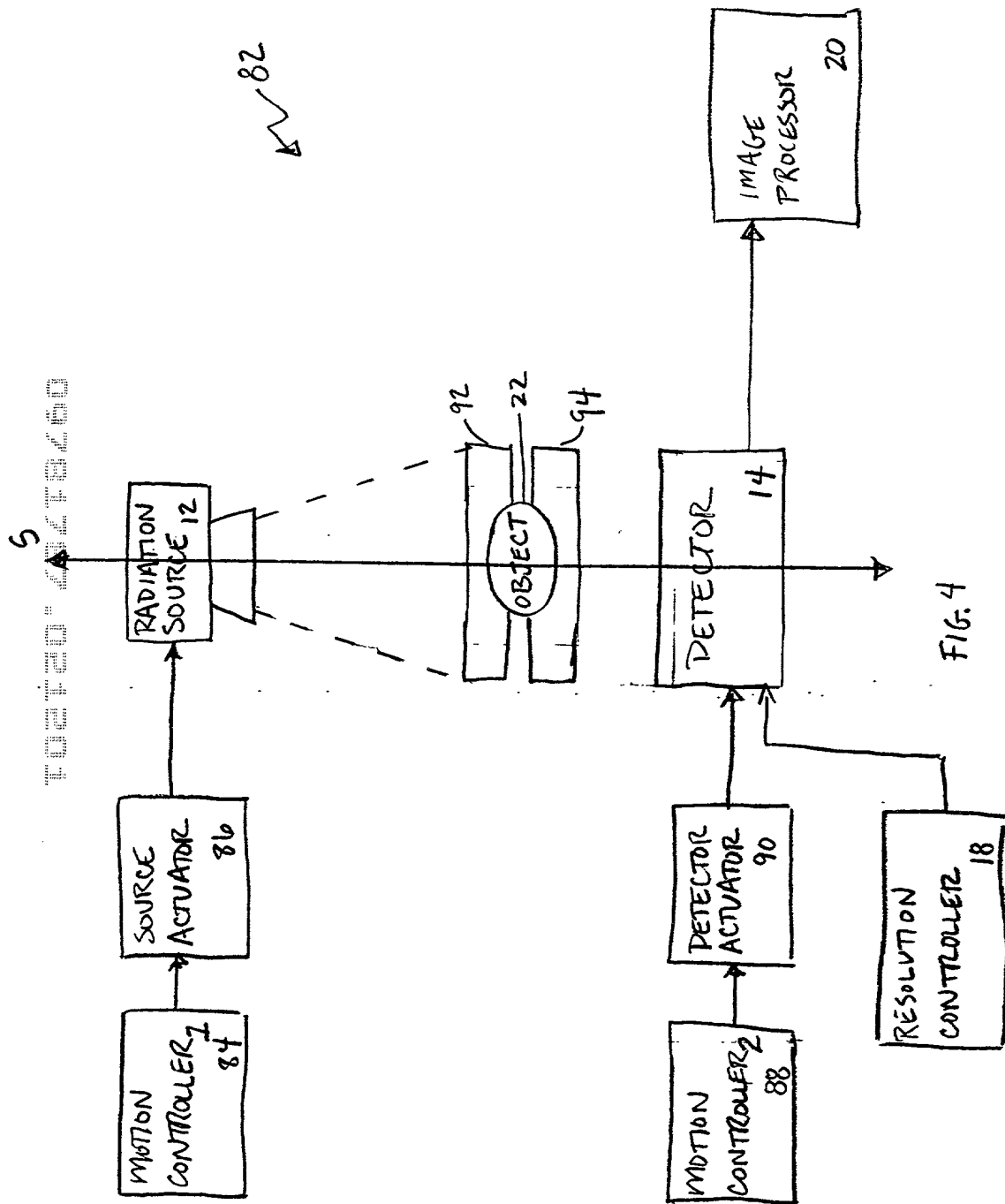


Fig. 3



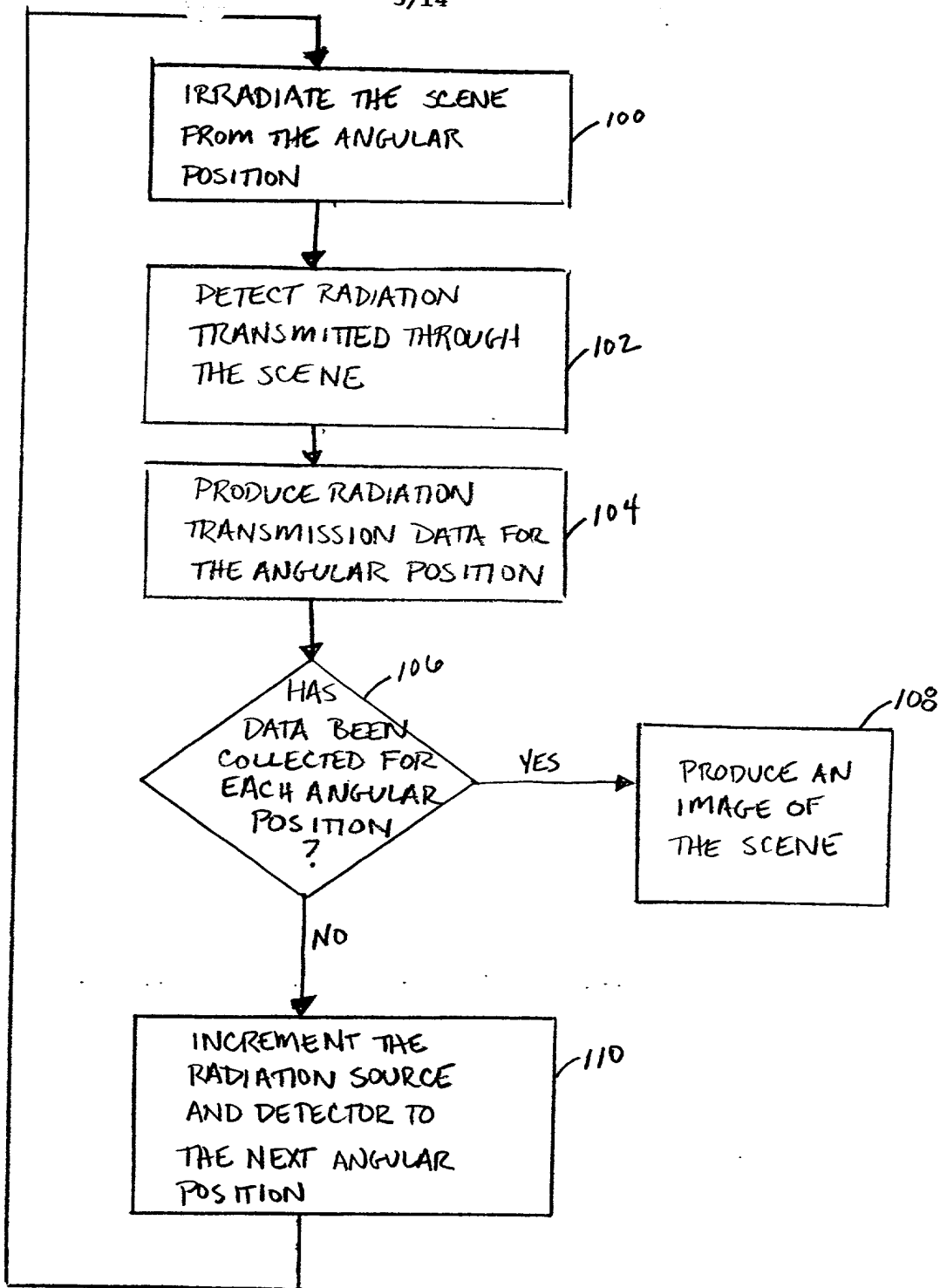


FIG. 5

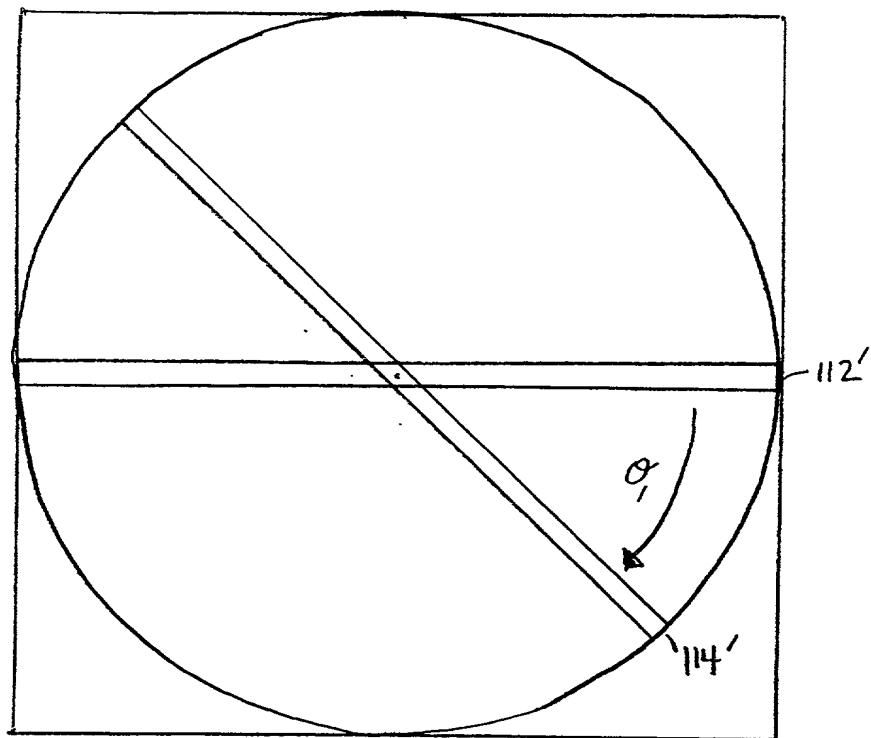


FIG. 6

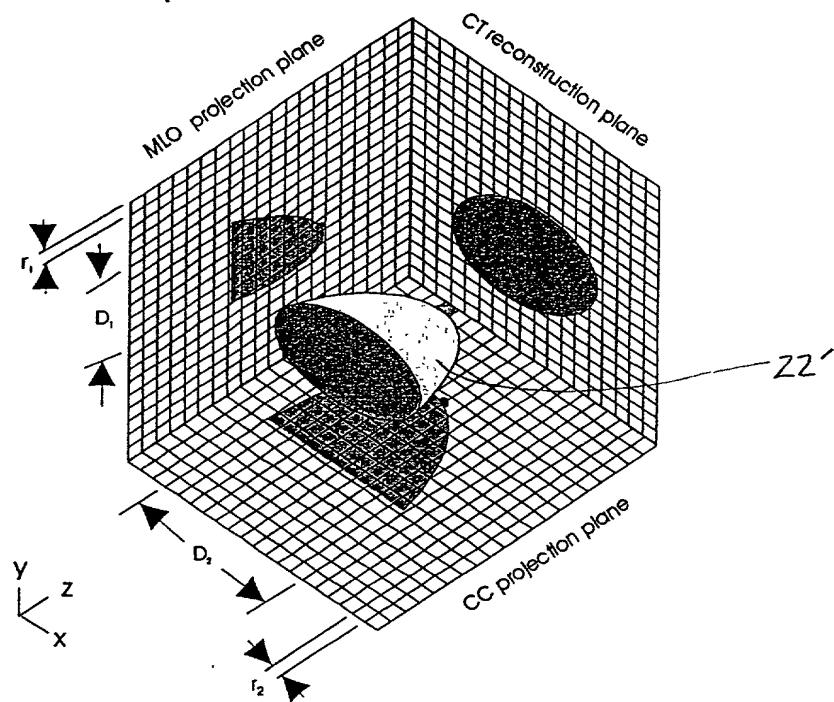


FIG. 8A

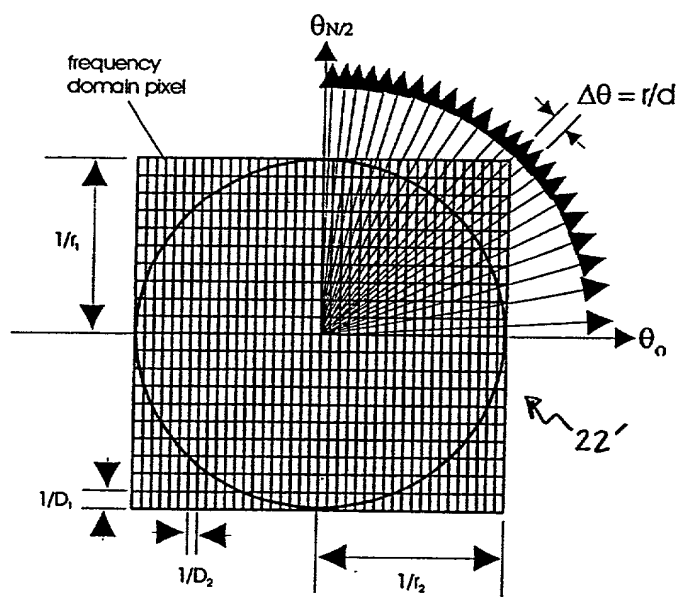


FIG. 8B

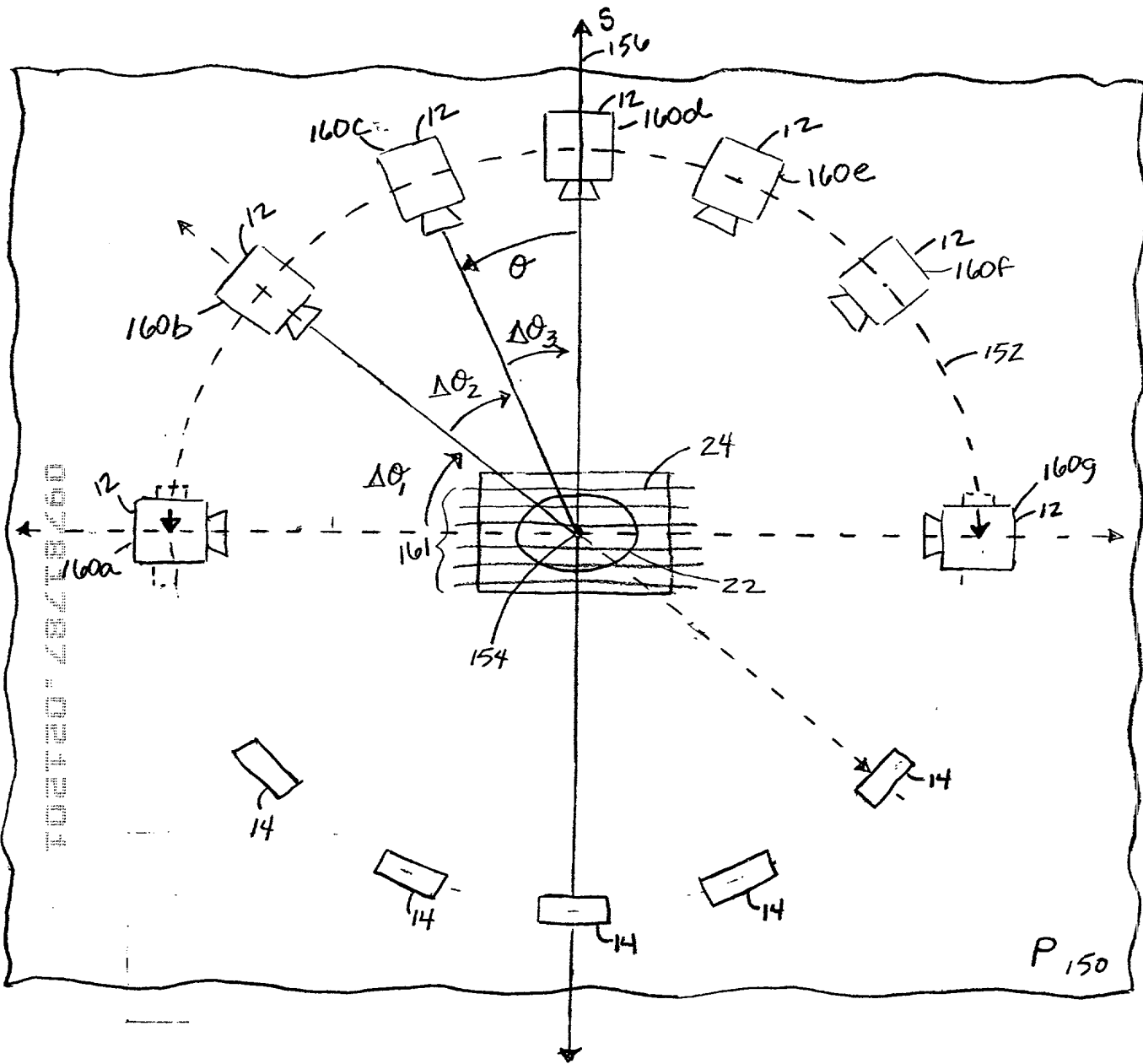
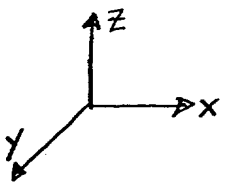
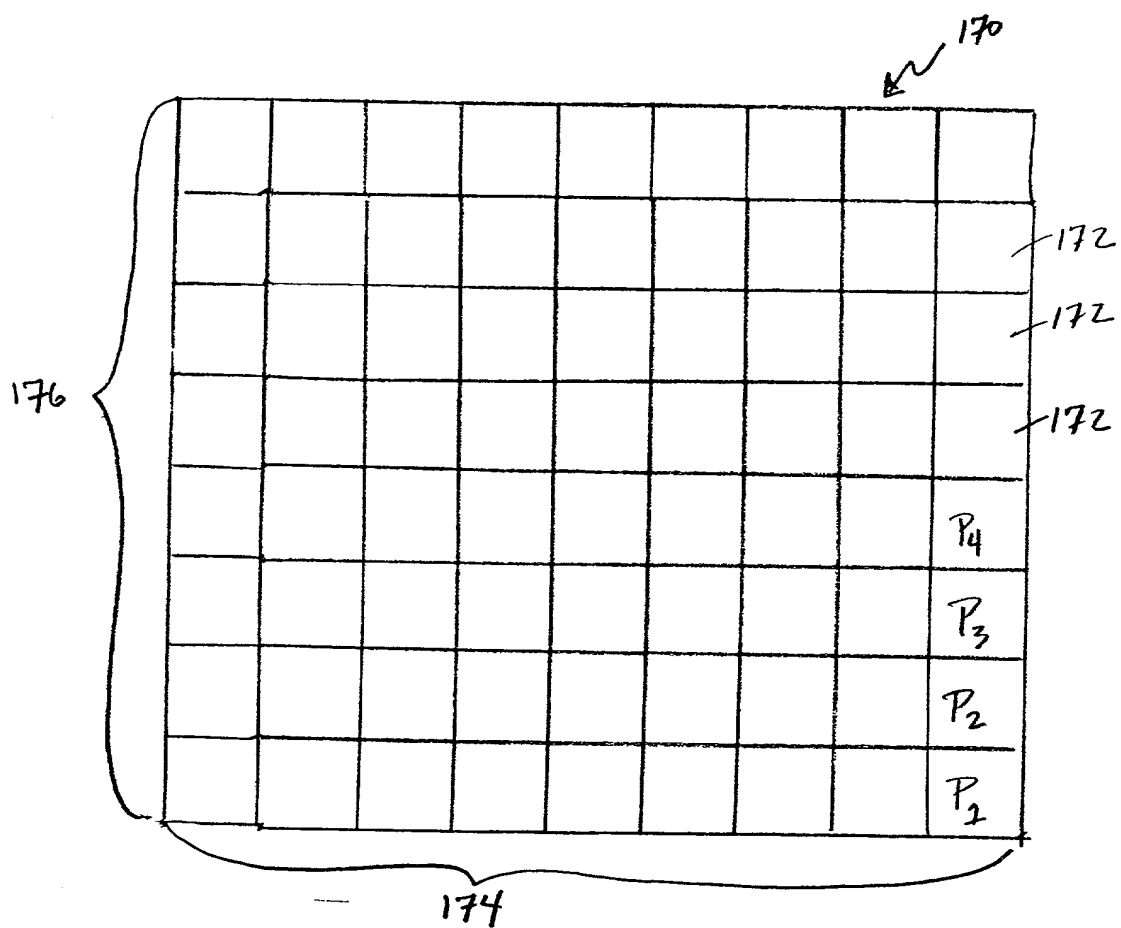


FIG. 9.



100781739 0213001

174
FIG. 10

09784787 004304
FIG. 11A

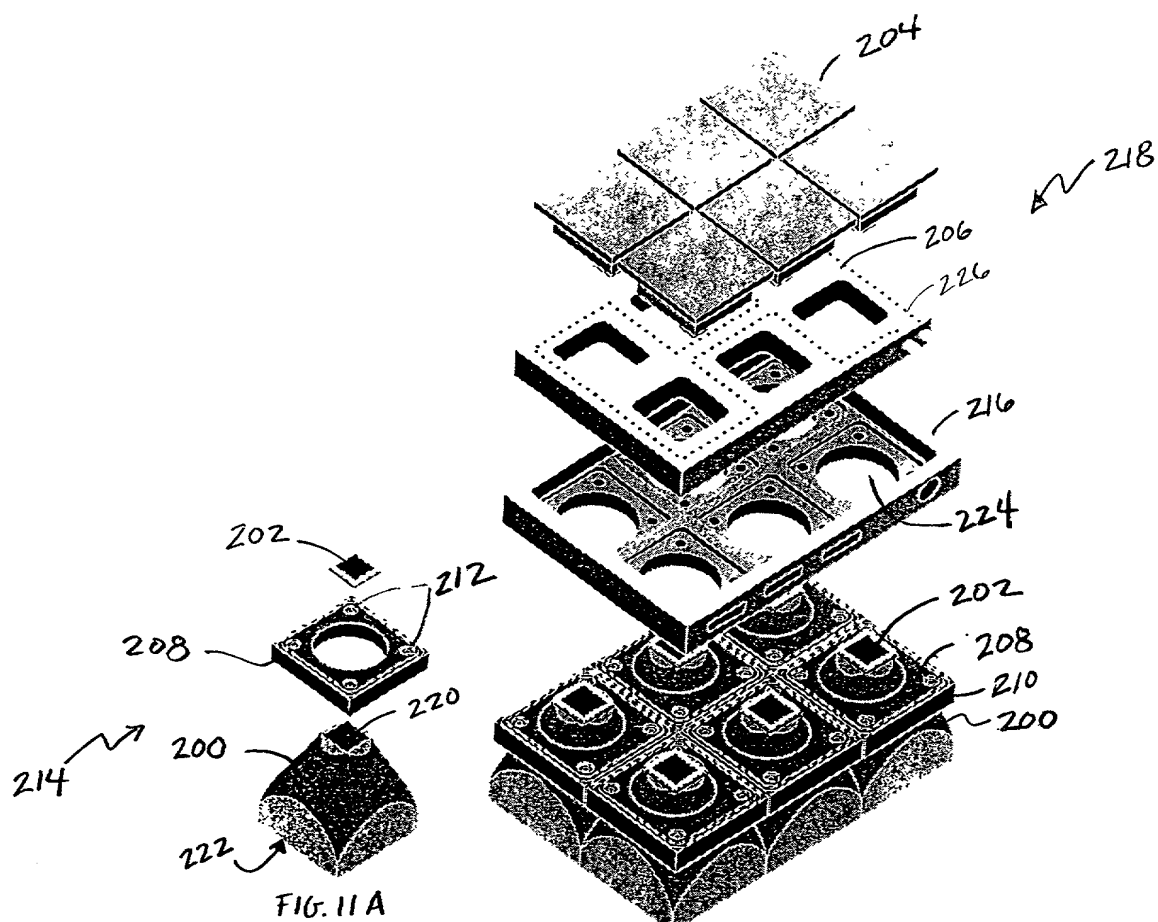


FIG. 11B

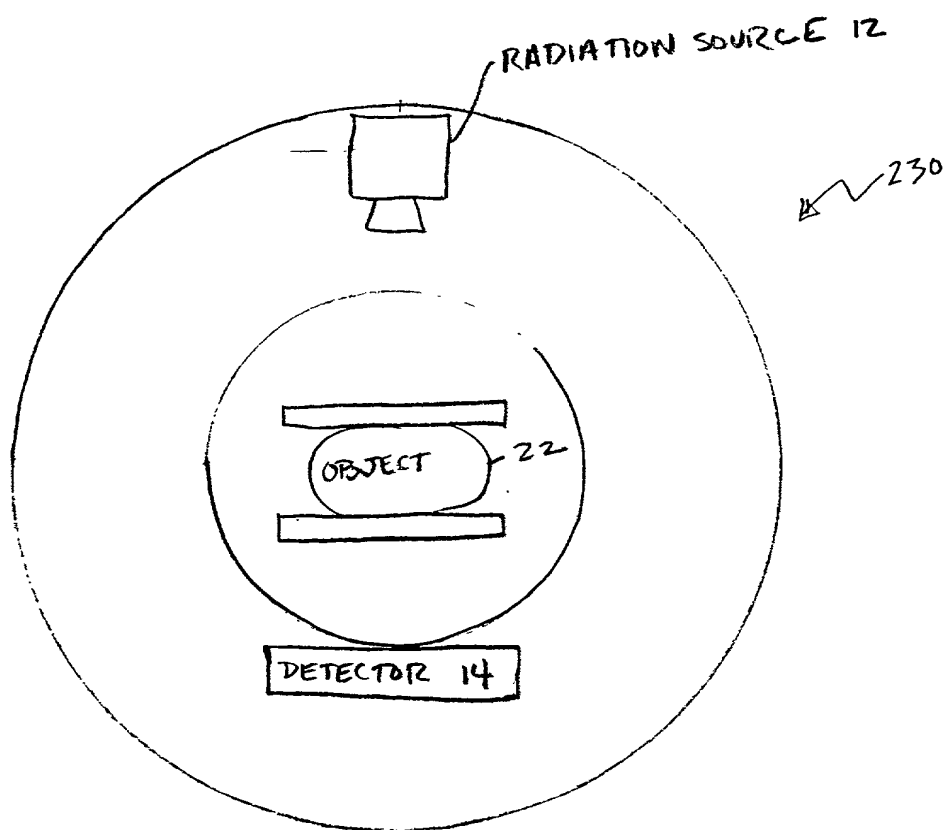


FIG. 12

09/04/2009 10:48:00

LOAD RADIATION TRANSMISSION DATA 250

CREATE TRANSMISSION PROJECTION IMAGES 252

LOAD GEOMETRY AND META INFORMATION 254

LOG AND INVERT TRANSMISSION PROJECTION IMAGES TO FORM OPD IMAGES 256

LIMIT INTENSITY RANGE OF OPD IMAGES TO CORRESPOND TO POSSIBLE TISSUE DENSITIES 258

LIMIT SPATIAL BOUNDARIES OF OPD IMAGES 260

USING BINNED IMAGES? 262

YES

EXPAND TO FULL RESOLUTION 264

NO

BACK-PROJECT OPD IMAGES TO FORM 3D MODEL DENSITY 266

FORWARD PROJECT 3D MODEL DENSITY TO FORM PREDICTED PROJECTED DENSITY IMAGES 268

CALCULATE RATIO IMAGES 270

CALCULATE DIFFERENCE IMAGES 272

BACK-PROJECT RATIO IMAGES TO FORM 3D DENSITY RATIO 274

BACK-PROJECT DIFFERENCE IMAGES TO FORM 3D DENSITY DIFFERENCE 276

TO STEP 278 OF FIG. 13B

FIG. 13A

FROM STEP 282 OF FIG. 13B

FILED 13/14

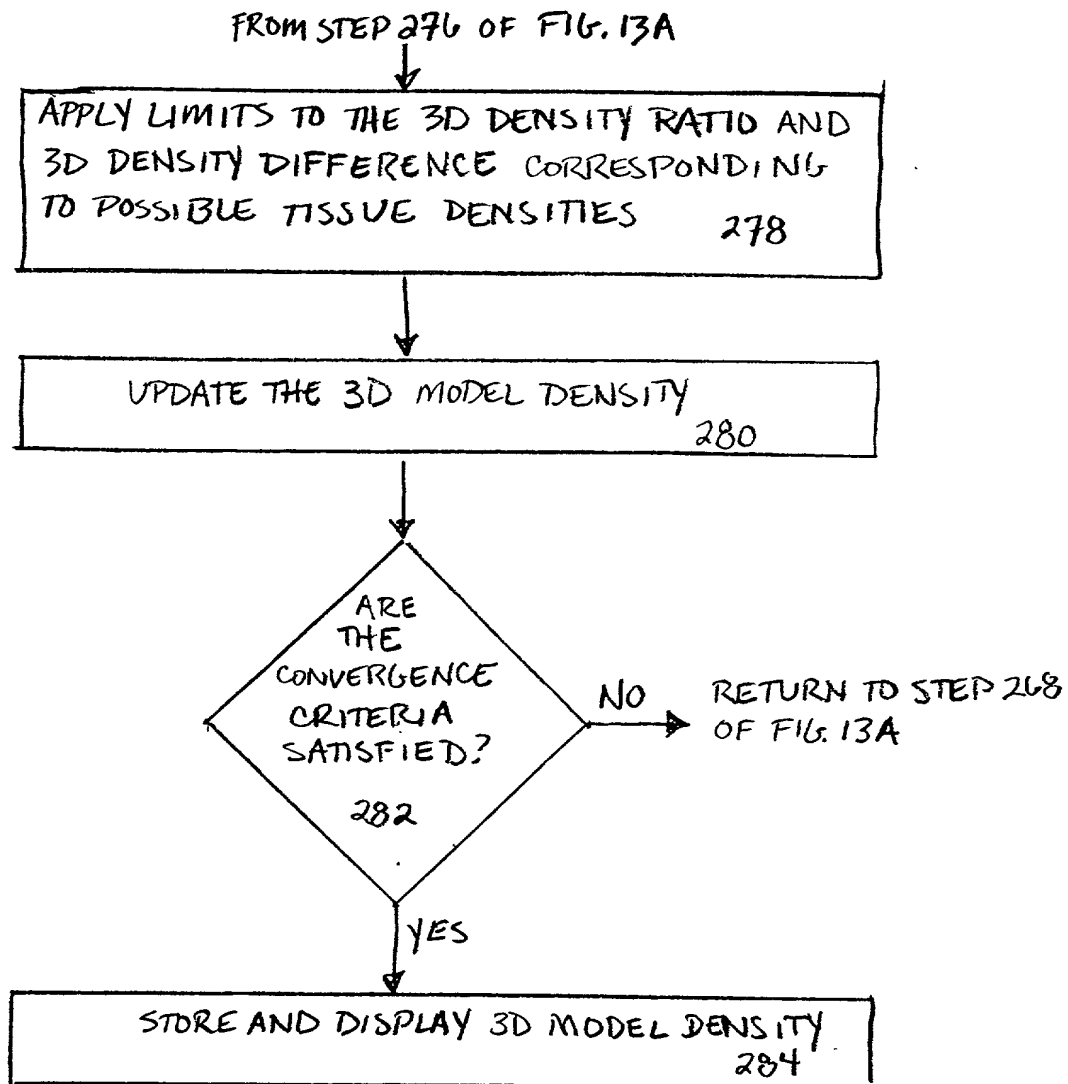


FIG. 13B